WHAT IS CLAIMED IS:

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- 1. A method for correcting for exposure in a digital image which was captured by an image capture device and which is to be printed on a printer which forms monochrome or color images, on a medium, comprising the steps of:
- a) providing a plurality of exposure and tone scale correcting transforms, each such transform being unique to an exposure condition and which corrects exposure and tone scale for a digital image captured by the capture device for such unique exposure conditions and to be printed by the printer;
- b) applying the plurality of transforms to the digital image and printing a plurality of images corresponding to the digital image on which the transforms were applied; and
- c) determining from the printed plurality of images the most satisfying printed image to the user which corresponds a particular transform to be used to make visual images from the digital image.
- 2. A method for correcting for exposure in a digital image which was captured by an image capture device and which is to be printed on a printer which forms monochrome or color images, on a medium, comprising the steps of:
- a) providing a plurality of exposure and tone scale correcting transforms, each such transform being unique to an exposure condition and which corrects exposure and tone scale for a digital image captured by the capture device for such unique exposure conditions and to be printed by the printer;
- b) applying the plurality of transforms to the digital image and producing a plurality of visual digital images on a display and printing on a particular printer such plurality of visual digital images corresponding to the digital image on which the transforms were applied; and

- c) determining from the printed plurality of images the most satisfying printed image to the user which corresponds a particular transform to be used to make visual images from the digital image so that the user can correlate the difference between display and printed images.
- 3. The method of claim 2 wherein the particular transform is used to make one or more printed images using the particular transform of the selected digital images.
- 4. A method for correcting for exposure in a digital image which was captured by an image capture device and which is to be printed on a printer which forms monochrome or color images, on a medium, comprising the steps of:
- a) providing a plurality of exposure and tone scale correcting nonlinear transforms, each such nonlinear transform being unique to an exposure condition and which corrects exposure and tone scale for a digital image captured by the capture device for such unique exposure conditions and to be printed by the printer;
- b) applying the plurality of nonlinear transforms to the digital image and producing a plurality of visual digital images on a display and printing on a particular printer such plurality of visual digital images corresponding to the digital image on which the nonlinear transforms were applied; and

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- c) determining the most satisfying printed image to the user which corresponds a particular nonlinear transform to be used to make visual images from the digital image which is corrected for exposure and tone scale when printed by the printer.
- 5. The method of claim 4 wherein the image capture device is a digital camera and the medium is a photographic silver halide element, ink jet receiver or thermal print medium.